User Manual: WTCA 2.0

WTCA Version 2.1

Contents

The benefits of WTCA 2.0 ..... **02**

A tour through the WTCA 2.0 public area **03**

All temperatures at a glance 03

Choose a location *04*

Events 04

Analysis 05

Analysis and documentation of the measured data *05*

Example *11*

Manuals 15

Login to the user's area 15

The User's area **16**

Different rights for the users 16

New features, that concern every user 16

New menu items at the menu bar *16*

Multilingualism *17*

Log off *17*

Locations, assigned to the user, are shown *17*

Translate vocabulary *17*

Menu items and features according to the assigned rights at the user area 18

Receipt events (event_receipt) *18*

Edit a measure point (measure_point_edit) *19*

Activate a measure point (measure_point_activate) *19*

Edit the options (options_edit) *17*

Appoint absence (location_edit) *20*

Fault handling (fault_handling) *20*

Edit your profile (profil_edit) *22*

Super User (super_user) *22*

Administrator (admin_user) *23*

Audit trail (audit) *23*

The benefits of WTCA 2.0?

WTCA is a calibrated and validated system for automatic surveillance of temperature and relative humidity. Typical fields of application are air conditioned server rooms, cooling or freezer units and incubators.

The WTCA software suite checks all temperature or humidity sensors periodically in regular time slices. At a deviation of the given extreme values the system sets off an alarm acoustical, optical, over telephone, sends E-Mails or SMS to the persons in charge.

You can watch and monitor with WTCA 2.0 several locations and their associated measure points with the measured data all at once. WTCA 2.0 is a web application. To watch the locations from any place you want, you only need an internet access and a browser.

Tour through the public area

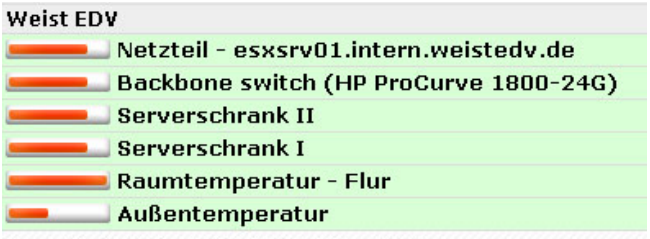
WTCA 2.0 Web Interface (temperatur@websrv01.intern.weistedv.de, 32444) - Mozilla Firefox
Datei Bearbeiten Ansicht Chronik Lesezeichen Extras Hilfe
http://websrv01.intern.weistedv.de/wtca/index.php
WTCA 2.0 Web Interface Weist EDV Temperature Control & Analysis
Main Events (6) Analysis Login Manuals
Measure point Min (°C) Value (°C) Max (°C) Chart (°C) Edit
DatenLogger Location is in absence status!
LogBox SN 6066438 (disabled Sensor) -99.00 0.00 99.00 Edit
Weist EDV
Netzteil - esxsrv01.intern.weistedv.de 16.00 23.57 27.00 (-0.01) (-0.02) (-0.03) (-0.04) (-0.09) Edit
Backbone switch (HP ProCurve 1800-24G) 15.00 23.67 27.00 (-0.02) (-0.03) (-0.05) (-0.06) (-0.10) Edit
Serverschrank II 15.00 23.96 27.00 (-0.01) (-0.06) (-0.10) (-0.10) (-0.14) Edit
Serverschrank I 15.00 24.76 27.00 (-0.03) (-0.05) (-0.08) (-0.12) (-0.16) Edit
Raumtemperatur - Flur 15.00 26.21 27.00 (-0.06) (-0.06) (-0.15) (-0.15) (-0.15) Edit
Außentemperatur -5.00 6.70 35.00 (+0.21) (+0.21) (+0.39) (+1.02) (+0.93) Edit
Now: Wed, 09 Apr 2008 12:02:37 +0200
Current location
Weist EDV (MINIPC)

The main page of the web interface of WTCA 2.0: You can watch and monitor several locations with their measure points.

1. All temperatures at a glance

You are on the main page of the public area: You see all measure points and you can read off the measured data in real time. Furthermore you see the particular appointed minimum and maximum values and the development of the measured data with the last fife values of the measure point, which were saved at the data base .

On the main page you receive all important information for temperature control at a glance. You see immediately if the measured data leaves the defined limits. For the different states of temperature, signal colors are defined. The concerned measure point is highlighted with the relative signal color.



All measure points are highlighted with green, their measured values are all at normal range.

For example for normal temperature green is settled, for low temperature light blue, for high temperature pink, for sensor failure orange and for system fault magenta. Your administrator can change this color code.

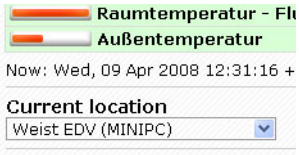
The menu bar with the menu items main, events, analysis, login, manuals

You move trough the program with the help of the menu bar at the top on the right. The menu bar contains the menu items *Main, Events, Analysis, Login and Manuals.* At the next article you come to know what events are, but first you learn how to choose between the different measure point locations.

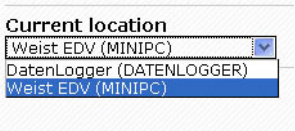
Choose a location

At the bottom of the site you use the box *Current location* to choose the location of the measure points, you need to monitor. For example you have the choice between two locations called *PC Berlin* and *PC Brandenburg* at *Current location.* If you select *PC Brandenburg* all measure points, which belong to *PC Brandenburg,* are shown on the *main page* and on the page *Events* the relative events are displayed.

Strictly speaking *Current Location* is the computer the measure points are connected to. You find the box *Current location* on every page at the same place.



Current location



Choose location

2. Events

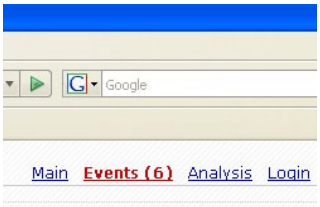
If a maximum value is exceeded *(for longer than the possibly appointed time delay),* this is an event. An optical and an acoustical alarm are raised and an e-mail is send to the responsible employee.

Events are for example: *maximum value overstepping, minimum value undershooting, the switching on or off of a measure point, a sensor failure, a system fault, the change of the minimum or maximum value.* Not every event causes an alarm.

Which events raise an alarm you can define at the user area *(alarms are: optical or acoustical alarm, sending an e-mail or sms, a telephone call).*

Events are displayed on the page *Events.* You use the menu bar on the top to go there *(the menu item Events is next to Main page).*

When you are still on the main page or any other page of the web interface, you see already at the menu bar behind the menu item



Six events happened, the menu item events is highlighted with red

Start	End	Duration	Fault type	Min (°C)	Value (°C)	Max (°C)	Measure point
2008-04-08 12:49:48	2008-04-08 12:49:48	00:00:00	Messstelle Aus	-5.00	**12.77**	35.00	Außentemperatur
2008-04-08 12:49:57	2008-04-08 12:49:57	00:00:00	Messstelle An	-5.00	**12.75**	35.00	Außentemperatur
2008-04-09 12:41:51	2008-04-09 12:42:45	00:00:54	Geraeteausfall	-5.00	**999.00**	35.00	Außentemperatur
2008-04-09 12:44:37	2008-04-09 12:47:11	00:02:34	MAX Wert Ueberschreitung	-5.00	**62.10**	35.00	Außentemperatur
2008-04-09 12:48:10	2008-04-09 12:48:10	00:00:00	MIN Wert Aenderung	15.00	**30.14**	35.00	Außentemperatur
2008-04-09 12:50:05	2008-04-09 12:51:54	00:01:49	MIN Wert Unterschreitung	15.00	**8.69**	35.00	Außentemperatur
2008-04-09 12:52:10	2008-04-09 12:55:20	00:03:10	MAX Wert Ueberschreitung	15.00	**51.32**	35.00	Außentemperatur
2008-04-09 12:55:45	2008-04-09 12:58:04	00:02:19	MAX Wert Ueberschreitung	15.00	**48.34**	35.00	Außentemperatur
2008-04-09 12:59:08	2008-04-09 13:00:22	00:01:14	MIN Wert Unterschreitung	15.00	**10.93**	35.00	Außentemperatur
2008-04-09 13:00:19	2008-04-09 13:00:19	00:00:00	MIN Wert Aenderung	-5.00	**10.47**	35.00	Außentemperatur

On the page events all not yet receipted events are shown with start, end, duration, fault type, minimum value, measured value, maximum value and their measure points. You have to log in to receipt events.

Events (6) inside the braces the number of events, which occurred – six events happened. At the moment an event, like maximum value overstepping, occurs, the menu item *events* turns red. It goes back to normality as soon as the event is receipted. Every event has to be receipted by a person in charge. For receipting an event, you need to be logged in and you have to possess the right *event_receipt. An exact description you find on page 18.*

3. Analysis

Analysis and documentation of the measured values:

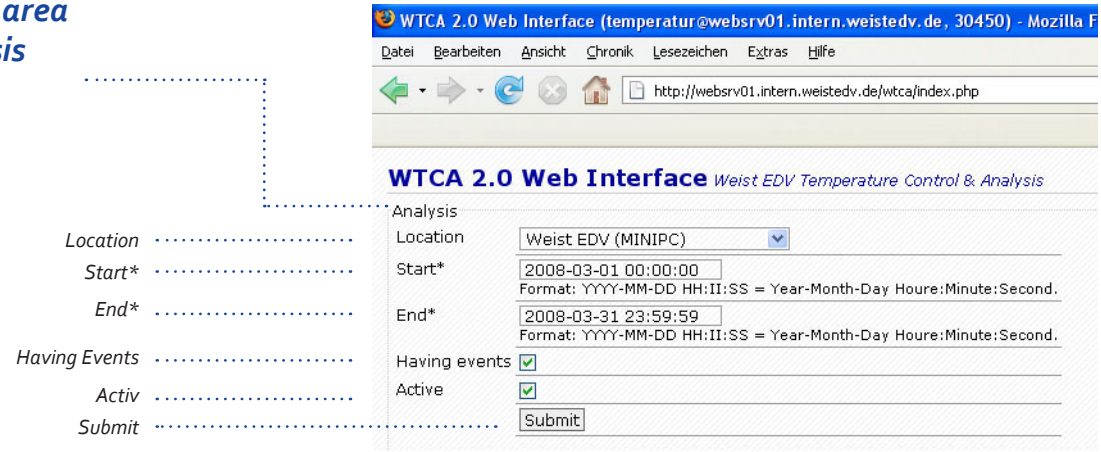
Analysis is used for recalling, analyzing and printing the measured data and the events.

- You may print all events for all measure points for a given period of time.
- You have the possibility to choose a measure point and display or print all events for a given period of time. For every event you may again display and print the protocol of the measured values and the graph.

- You can display and print a protocol of the measured values for one measure point for a given period of time. The measured values are saved at a data base in a certain interval.
- You can display and print a graph, which shows the development of the measured values, the events and the minimum and maximum values.

The page Analysis is composed of different areas:

The first area is Analysis



Location: choose the location , of which you intent to analyse the measure points.

Start:* define the start of the period of time you plan to analyse.

End:* define the end of the period of time you plan to analyse.

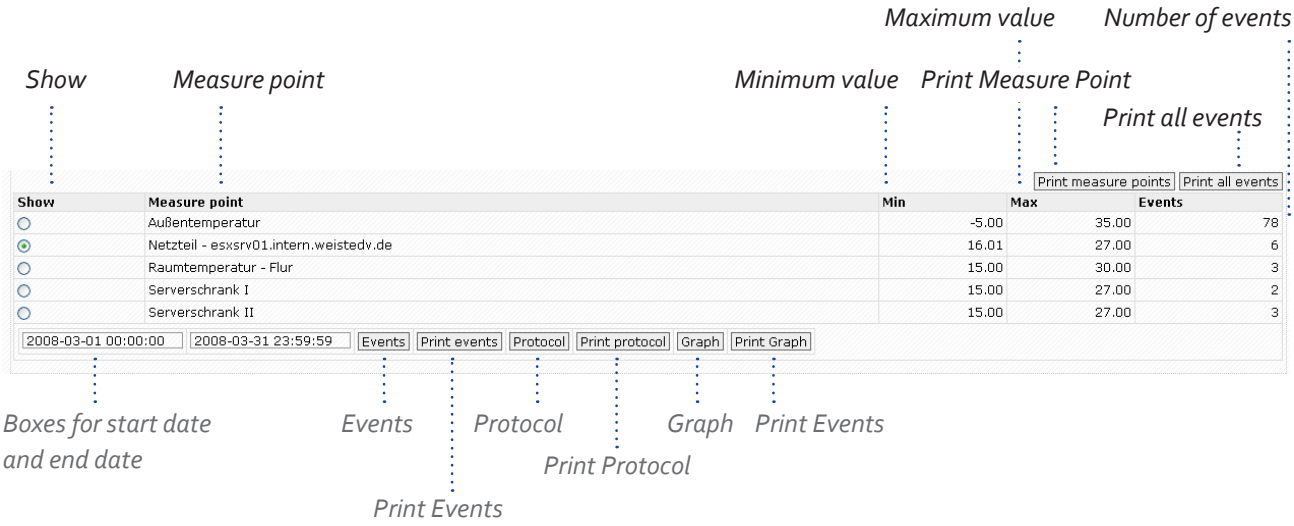
Having Events: You decide whether measure points, which had events, *(check mark)* or measure points, without events *(no check mark)* are shown.

Active: Choose whether active measure points *(check mark)* or inactive measure points *(no check mark)* are shown.

Submit: Take over the settings you have decided on before

The second area is the measure point table

It is called *Measure Points from Location (name of the location, for example Berlin) (Having events) (Active).*

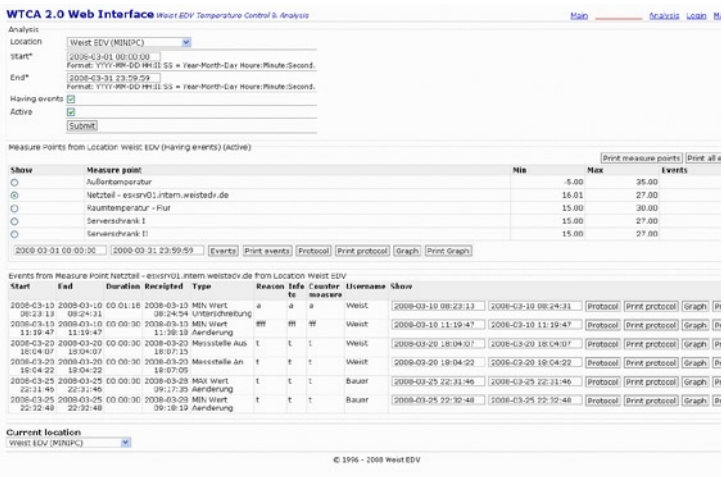


The settings from the area

Analysis are adopted here. At the description of the table you can read which location you chose and whether you took over *Having Events* and *Activ.* At the measure point table all measure points are shown with their *minimum values* and *maximum values* and the number of events that occurred.

Show: choose the measure point you plan to analyse.

At the top of the measure point table on the right side are the buttons *Print measure points* and *Print all events.*



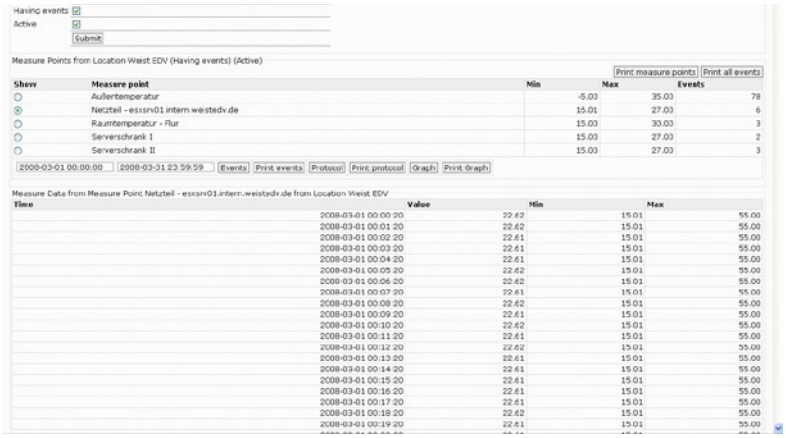
The table with the events is displayed below the measure table. It has got the buttons protocol, print protocol, graph, print graph too.

Print measure points: You print a print preview of the whole measure point table with minimum and maximum values and the number of events.

Print all events: you print an overview of all events, which took place at the selected location at the selected time. You get data for *start, end, duration, receipt, type, reason, info to, counter measure, user name.* It is ordered by measure points.

At the bottom of the measure point table are boxes, you can use them to analyse the measure point you selected at the area show:

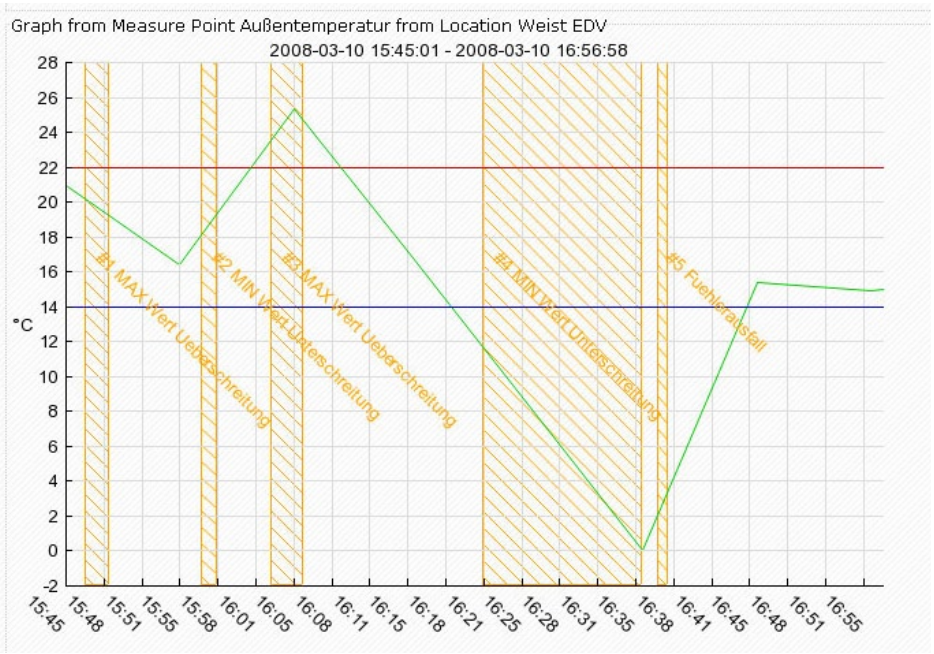
Boxes for start and end date: here you see for which period of time you analyse the measure point and you can change this period of time.



Protocol with measured data

Events: all events of the selected measure point at the given period of time are displayed at a table beneath the measure point table at the area events of measure point *(name of the measure point, for example room temperature)* of location *(name of the location, for example Berlin)*

Print events: A print preview of that table is printed over the windows printer menu.


Graph from Measure Point Außentemperatur from Location Weist EDV
2008-03-10 15:45:01 - 2008-03-10 16:56:58
°C
#1 MAX Wert Ueberschreitung
#2 MIN Wert Unterschreitung
#3 MAX Wert Ueberschreitung
#4 MIN Wert Unterschreitung
#5 Fuehlerausfall

The graph for 10. March 2008 of the measure point outdoor temperature, with the temperature curve (green), minimum value (blue), maximum value (red) and events (orange)

Protocoll: the measured data of the selected measure point is displayed at a table beneath the measure point table. The name of the table is measured data from measure point *(name of the measure point, for example room temperature)* of location *(name of location, for example Berlin).* The protocol contains *date, value, minimum* and *maximum value* of the measured data.

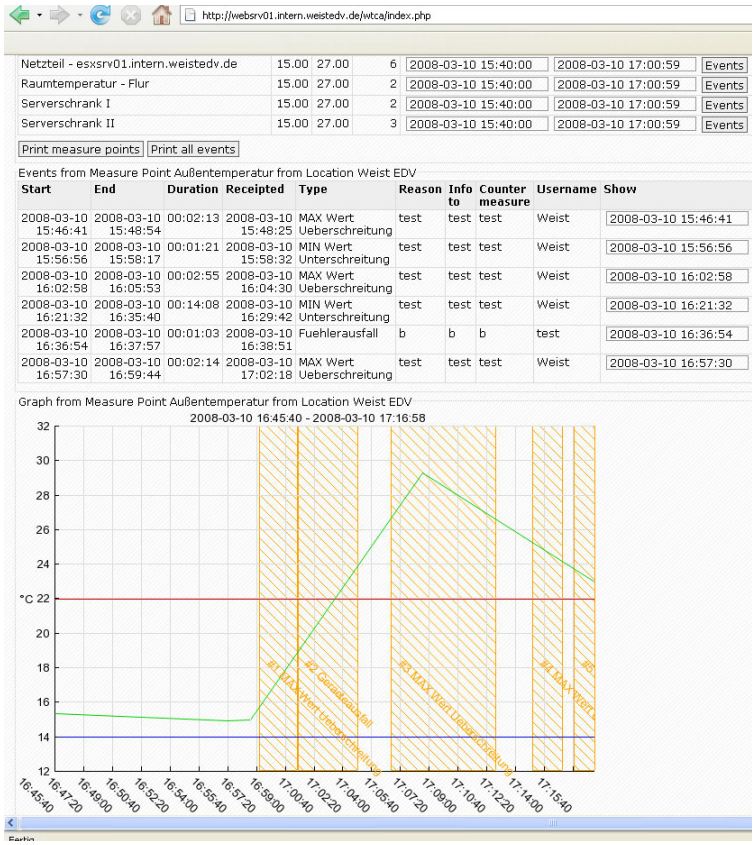
Print protocoll: a print preview of the protocoll of measured data is printed

Graph: a graph of the temperature development and the events for a selected measure point at a selected period of time is shown. The temperature curve is green, the minimum value is a blue line, the maximum value is a red line, events are orange and they are labelled, so you can read what type of event happened.

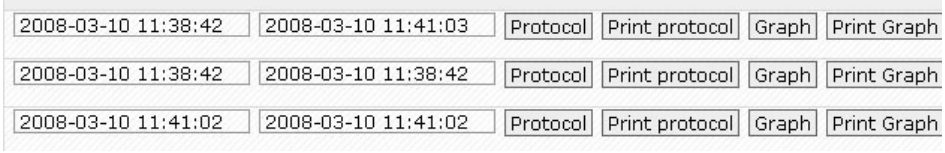
Print Graph: print the print preview of graph.

Exception: Some events are very short. Only one measured value is assigned to them. With one value you can not make a protocol or a graph. If you need for such an event a protocol or graph, just expand the period of time for it.

For example instead of:
Start: 18.04.33 End: 18.04.55
Start: 17.40.00 End: 18.20.00


http://websrv01.intern.weistedv.de/wtca/index.php
Netzteil - esxsrv01.intern.weistedv.de 15.00 27.00 6 2008-03-10 15:40:00 2008-03-10 17:00:59 Events
Raumtemperatur - Flur 15.00 27.00 2 2008-03-10 15:40:00 2008-03-10 17:00:59 Events
Serverschrank I 15.00 27.00 2 2008-03-10 15:40:00 2008-03-10 17:00:59 Events
Serverschrank II 15.00 27.00 3 2008-03-10 15:40:00 2008-03-10 17:00:59 Events
Print measure points
Print all events
Events from Measure Point Außentemperatur from Location Weist EDV
Start End Duration Receipted Type Reason Info to Counter measure Username Show
2008-03-10 15:46:41 2008-03-10 15:48:54 00:02:13 2008-03-10 15:48:25 MAX Wert Ueberschreitung test test test Weist 2008-03-10 15:46:41
2008-03-10 15:56:56 2008-03-10 15:58:17 00:01:21 2008-03-10 15:58:32 MIN Wert Unterschreitung test test test Weist 2008-03-10 15:56:56
2008-03-10 16:02:58 2008-03-10 16:05:53 00:02:55 2008-03-10 16:04:30 MAX Wert Ueberschreitung test test test Weist 2008-03-10 16:02:58
2008-03-10 16:21:32 2008-03-10 16:35:40 00:14:08 2008-03-10 16:29:42 MIN Wert Unterschreitung test test test Weist 2008-03-10 16:21:32
2008-03-10 16:36:54 2008-03-10 16:37:57 00:01:03 2008-03-10 16:38:51 Fuehlerausfall b b b test 2008-03-10 16:36:54
2008-03-10 16:57:30 2008-03-10 16:59:44 00:02:14 2008-03-10 17:02:18 MAX Wert Ueberschreitung test test test Weist 2008-03-10 16:57:30
Graph from Measure Point Außentemperatur from Location Weist EDV
2008-03-10 16:45:40 - 2008-03-10 17:16:58
°C

Graph of one of the events from the table, you get it with the button graph at the area show


2008-03-10 11:38:42 2008-03-10 11:41:03 Protocol Print protocol Graph Print Graph
2008-03-10 11:38:42 2008-03-10 11:38:42 Protocol Print protocol Graph Print Graph
2008-03-10 11:41:02 2008-03-10 11:41:02 Protocol Print protocol Graph Print Graph

Box for time and buttons at the area show at the event table

Weist EDV

Events from Measure Point Außentemperatur from Location Weist EDV 2008-03-26 13:48:25

Start: 2008-03-10 15:40:00
End: 2008-03-10 17:00:59

Start	End	Duration	Receipted	Type	Reason	Info to	Counter measure	Username
2008-03-10 15:46:41	2008-03-10 15:48:54	00:02:13	2008-03-10 15:48:25	MAX Wert Ueberschreitung	test	test	test	Weist
2008-03-10 15:56:56	2008-03-10 15:58:17	00:01:21	2008-03-10 15:58:32	MIN Wert Unterschreitung	test	test	test	Weist
2008-03-10 16:02:58	2008-03-10 16:05:53	00:02:55	2008-03-10 16:04:30	MAX Wert Ueberschreitung	test	test	test	Weist
2008-03-10 16:21:32	2008-03-10 16:35:40	00:14:08	2008-03-10 16:29:42	MIN Wert Unterschreitung	test	test	test	Weist
2008-03-10 16:36:54	2008-03-10 16:37:57	00:01:03	2008-03-10 16:38:51	Fuehlerausfall	b	b	b	test
2008-03-10 16:57:30	2008-03-10 16:59:44	00:02:14	2008-03-10 17:02:18	MAX Wert Ueberschreitung	test	test	test	Weist

© 2007 Weist EDV

Print preview of all events of all measure points

Events of measure point *(name of measure point, for example room temperature)* of location *(name of location, for example Berlin):*
You click on events *(for the measure point you selected at Show).* Now you get a table with all events of this measure point. You find this table beneath the measure point table.

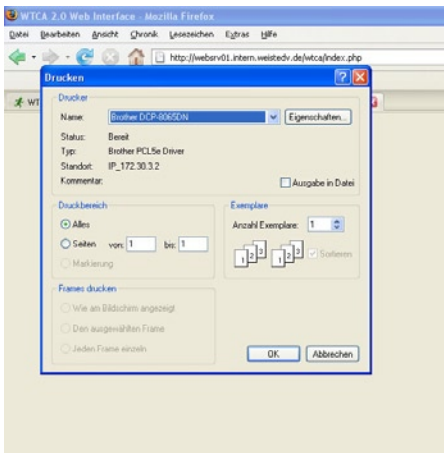
At the column show you find again:

Boxes for End and Start: you can define the period of time here too and

Protocol and *Print Protocol,* display or print the protocol of measured data of the particular event

Graph and *Print Graph,* display or print a graph of this measured values

The protocol or the graph is displayed beneath the event table.



Windows print menu

Here is an example:

Presumably there is a location *PC Berlin* and a location *PC Brandenburg.* For *PC Brandenburg* there are three measure points: outdoor temperature, room temperature and rack.

1. You intend to watch and to print and overview of all events of the measure point outdoor temperature at the location *PC Brandenburg* for the month march.

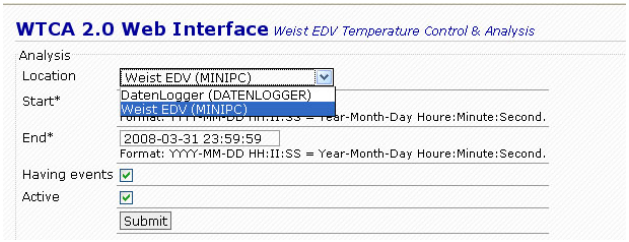
2. Then you plan to watch and print the protocol of the measured data for room temperature from 10. March till 11. March for room temperature

3. Next you need to print the graph for outdoor temperature for the whole month march.

4. Last you print all events for all measure points for March *(at this example outdoor temperature, room temperature and rack) for the location PC Brandenburg.*

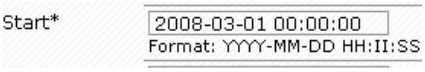
Your locations and measure points have other names probably. To play through the example you change PC Brandenburg to the real name of one of the locations you attend to, and change outdoor temperature and room temperature to two of the measure points appointed to your location.

First you decide for which location you need to analyze the measure points: at the box location you choose at our example *PC Brandenburg.*



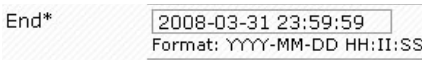
Analysis, standard settings, choose location

Then you choose the period of time for which you want to display the measured values and the events. All values you are interested in are during the month March, so you define March as period of time:



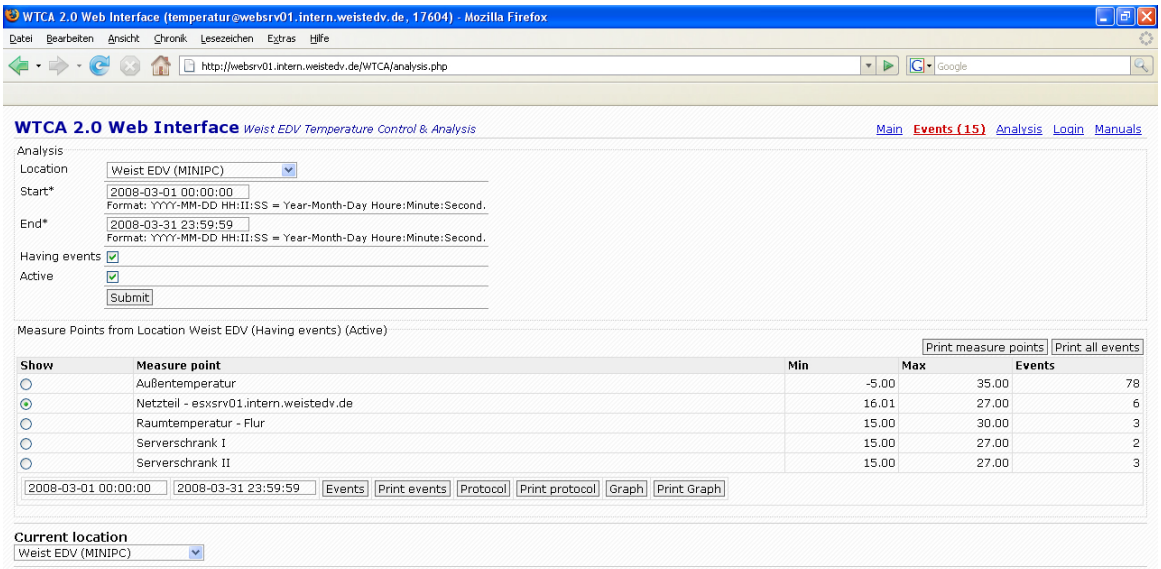
At the box Start* you specify the start date and time in the following way: YYYY-MM-DD HH:II:SS *(=year-month-day- hour:minute:second): this is first of march, at midnight:*

2008-03-01 00:00:00

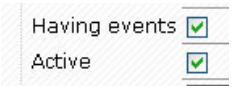


At the box End* you give in the end date and time the same way:

2008-03-31 23:59:59


WTCA 2.0 Web Interface (temperatur@websrv01.intern.weistedv.de, 17604) - Mozilla Firefox
Datei Bearbeiten Ansicht Chronik Lesezeichen Extras Hilfe
http://websrv01.intern.weistedv.de/WTCA/analysis.php
WTCA 2.0 Web Interface Weist EDV Temperature Control & Analysis
Main Events (15) Analysis Login Manuals
Analysis
Location Weist EDV (MINIPC)
Start* 2008-03-01 00:00:00
Format: YYYY-MM-DD HH:II:SS = Year-Month-Day Houre:Minute:Second.
End* 2008-03-31 23:59:59
Format: YYYY-MM-DD HH:II:SS = Year-Month-Day Houre:Minute:Second.
Having events
Active
Submit
Measure Points from Location Weist EDV (Having events) (Active)
Print measure points Print all events
Show Measure point Min Max Events
Außentemperatur -5.00 35.00 78
Netzteil - esxsrv01.intern.weistedv.de 16.01 27.00 6
Raumtemperatur - Flur 15.00 30.00 3
Serverschrank I 15.00 27.00 2
Serverschrank II 15.00 27.00 3
2008-03-01 00:00:00 2008-03-31 23:59:59 Events Print events Protocol Print protocol Graph Print Graph
Current location
Weist EDV (MINIPC)

Measure point table for March



Put a check mark behind the items Having Events and Active. For taking over the specified settings, click Submit.

The measure points for the selected location are shown at the bottom of the page. You see the respective minimum and maximum value and the number of events that occurred at the chosen period of time *(at the example the month March)*.

Below the measure point table the start and end date you selected before are displayed. You have again the opportunity to change the period of time for your analysis.

Beneath the table are as well:

Events: All events for the choosen time are displayed. If you do not give in new dates, the period of time you selected at analysis are adopted.

Print events: A print overview of all events of the measure point is printed.

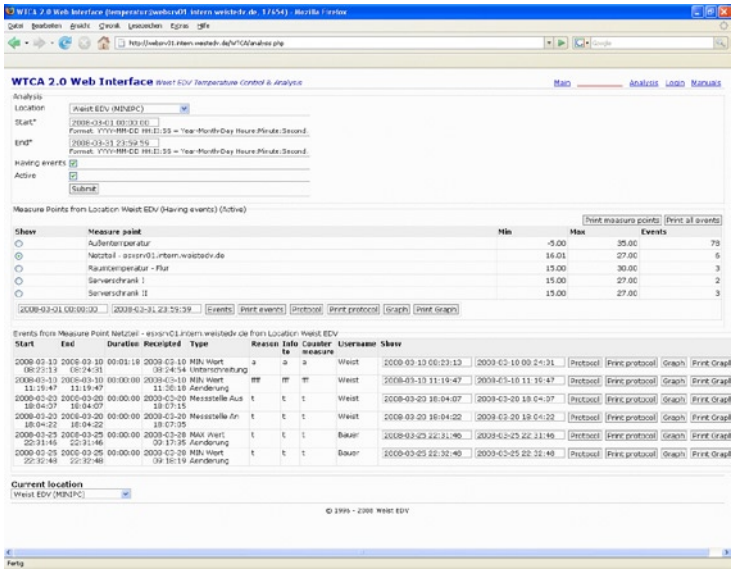
Protocol: the measured values, which are saved at the database in a certain interval are displayed with their minimum and maximum values.

Print protocol: Print a print preview of the protocol.

Graph: A Graph of the temperature development of the selected

measure point is displayed. The temperature curve is green, maximum value red, minimum value blue, events orange. The events are labelled. With the timeline you can read the duration of the events..

Print Graph: Print a print preview of graph.



The event table is displayed beneath the measure point table

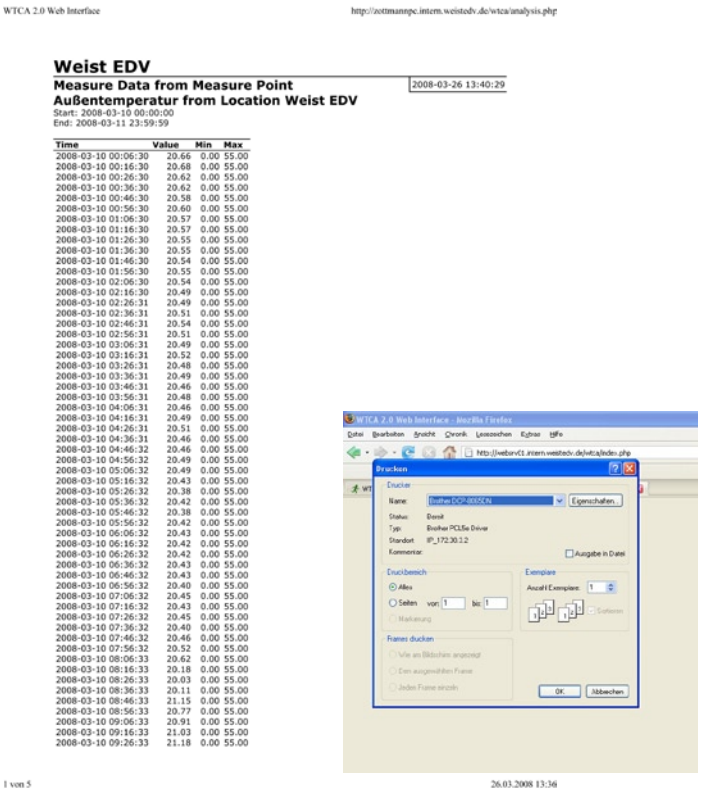
Back to the example:

(1) You intend to watch all events of the measure point outdoor temperature fort he month march. Select at the area show the measure point outdoor temperature and click on the button events beneath the measure point table.

Below the tabel with the measured values all events for the selected period of time are displayed. This table contains *start, end* and *duration* and the information *receipted (date), type, reason, info to, counter measure,* user name (user who receipted the event). At the column *Show* you can select the time, watch and print the protocol and the graph.

For printing this table with all events for the month March, you click on events.

You are at the familiar windows printer menu and print the print preview of the table.



Print preview and windows printer menu

(2.) You plan to watch and print the protocol of measured data for room temperature for the 10. – 11. of March.

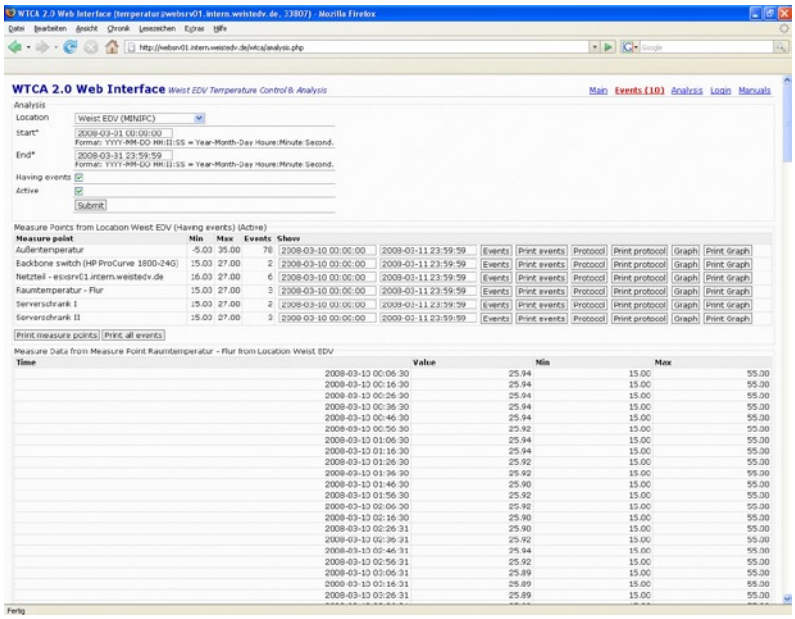
You choose at Show the measure point room temperature. Below the table are boxes for start and end date. Here you select the period you are interested in:
At the moment the start date is 2008-03-01 00:00:00 and the end date is 2008-03-31 23:59:59. For getting the data for 10. and 11. of march you give in for start 2008-03-1000:00:00 and for end 2008-03-11 23:59:59. *(At our example you only have to change the values for the days)*

2008-03-10 00:00:00	2008-03-11 23:59:59
2008-03-10 00:00:00	2008-03-11 23:59:59

Next you click on the button protocol: the *measured values* of the measure point *room temperature* and the *minimum* and *maximum values* are displayed.
For printing this measured data click on the button print protocol. You are at the windows printer menu and print the print preview of the measured values.

Protocol

(3.) You want to print the graph for outdoor temperature for March. Choose at the column Show the measure point *outdoor temperature.* Below the measure point table



Protocol of measured values

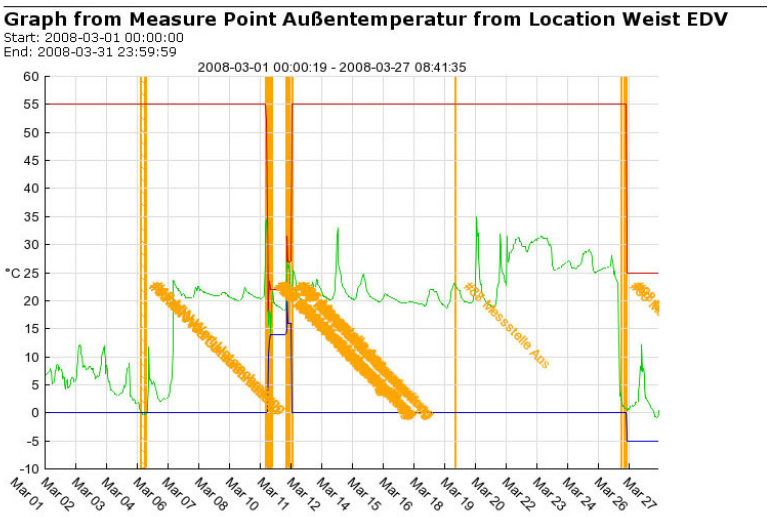
you give in the correct start and end date *(2008-03-01 00:00:00 and 2008-03-31 23:59:59).*

Click on *Print Graph,* and print the graph of the temperature development and the events of march for the measure point outdoor temperature.

(4.) For printing all events of all measure points for the location PC Brandenburg, click on the button Print all Events on the right at the top of the table. First make sure, that the correct period of time is appointed *(2008-03-01 00:00:00 and 2008-03-31 23:59:59).*

Exeption: On principle you cannot give in an end date that lies previous to a start date. If the start is 2008-03-10 00:00:00 and the end is 2008-03-11 23:59:59 and you want to

change it to 4. and 5. of march, you need to this in two steps. The new end date, 5. March, lies before the old start date, 10. march. Therefore you change first the start date from 10. of march to 4. of march and with a second step the end date from 11. to 5. of march.

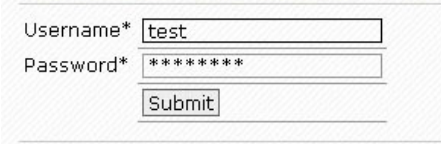


Graph for the month march

4. Manuals

At manuals you can download this manual as pdf file in English and German.

5. Loggin to the User area



As you see the public part of the application presents a lot of useful and impressive features and tools.

If you have a user name and a password, you can log in to the extended area of the program at the menu item *login*. You give in your *user name* and your *password* at the boxes *username** and *password**. Then click *submit* to log in.

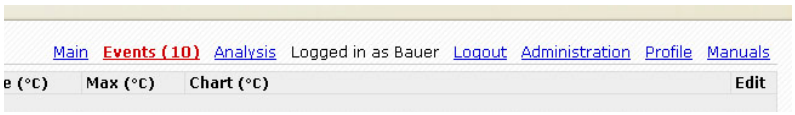
The User-Area

1. Different rights for the users

The user area is structured like the public area of the application. First you arrive at the start page; you see the measure point overview and the currently measured data. At the right is again the menu with the familiar items *main, events, analysis, manuals.*

There are some new menu items with different features. Not for every user are the same features available. Different combinations of the rights are allocated to the users, depending on what they use WTCA 2.0 for.

2. New functions, which affect all users

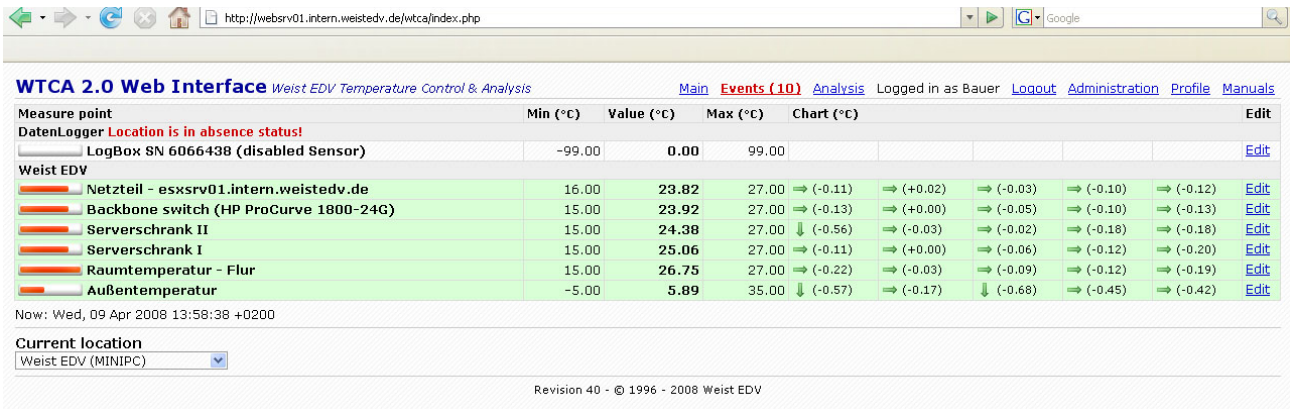


New menu items at the user's area

New items at the menu bar

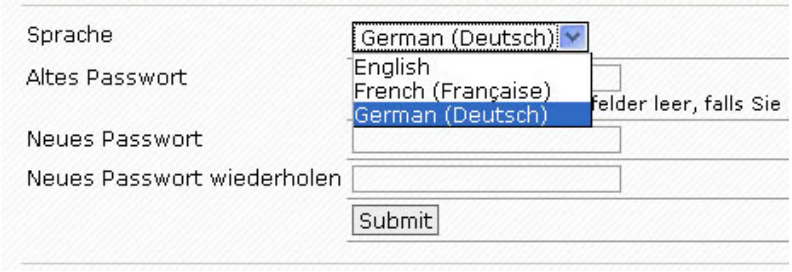
The new menu items and information you only find at the user's area are *Logged in* as *(user name)* and the menu items *log out, administration* and *profil.*

Main page of the user's area


http://websrv01.intern.weistedv.de/wtca/index.php
WTCA 2.0 Web Interface Weist EDV Temperature Control & Analysis
Main Events (10) Analysis Logged in as Bauer Logout Administration Profile Manuals
Measure point Min (°C) Value (°C) Max (°C) Chart (°C) Edit
DatenLogger Location is in absence status!
LogBox SN 6066438 (disabled Sensor) -99.00 0.00 99.00 Edit
Weist EDV
Netzteil - esxsrv01.intern.weistedv.de 16.00 23.82 27.00 (-0.11) (+0.02) (-0.03) (-0.10) (-0.12) Edit
Backbone switch (HP ProCurve 1800-24G) 15.00 23.92 27.00 (-0.13) (+0.00) (-0.05) (-0.10) (-0.13) Edit
Serverschrank II 15.00 24.38 27.00 (-0.56) (-0.03) (-0.02) (-0.18) (-0.18) Edit
Serverschrank I 15.00 25.06 27.00 (-0.11) (+0.00) (-0.06) (-0.12) (-0.20) Edit
Raumtemperatur - Flur 15.00 26.75 27.00 (-0.22) (-0.03) (-0.09) (-0.12) (-0.19) Edit
Außentemperatur -5.00 5.89 35.00 (-0.57) (-0.17) (-0.68) (-0.45) (-0.42) Edit
Now: Wed, 09 Apr 2008 13:58:38 +0200
Current location
Weist EDV (MINIPC)
Revision 40 - © 1996 - 2008 Weist EDV

Multilingualism: English and German

The user area of WTCA is multi-lingual. English and German are always provided. It is possible to attach any other language. You can change the language at profile *(menu item at the right).* Every user who owns the right *profil_edit* is able to change the language or his *password.* At the box language you can choose between German and English. To take over the changes you click *submit.*



Choose language

Log off

At the menu item *log off* you can quit the user area of WTCA. If you do not use WTCA for 30 minutes, you are logged off automatically.

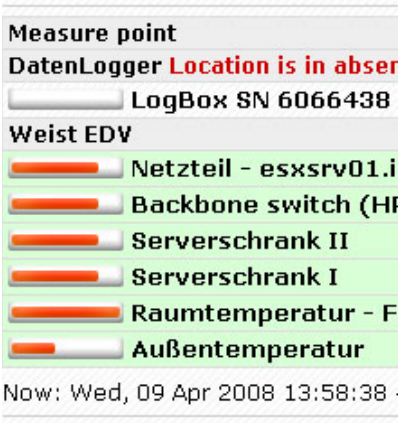
Translate vocabulary

At Administration you find the item language. Here you can help to translate vocabulary.

Translate vocabulary

Locations that are appointed to the user are displayed

On Main all locations appointed to the user are shown. Is one location at absence status, you see behind it in red letters the message *"location is in absence status".*



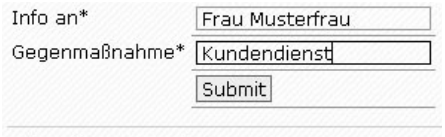
All locations are shown on the main page at the same time

Start	Ende	Dauer	Störungsart	Min (°C)	Wert (°C)	Max (°C)	Messstelle	Quittieren
2008-03-25 22:31:46	2008-03-25 22:31:46	00:00:00	MAX Wert Aenderung	10.02	**22.27**	27.00	Netzteil - esxsrv01.intern.weistedv.de	Quittieren
2008-03-25 22:32:01	2008-03-25 22:32:01	00:00:00	MAX Wert Aenderung	15.01	**22.36**	27.00	Backbone switch (HP ProCurve 1800-24G)	Quittieren
2008-03-25 22:32:11	2008-03-25 22:32:11	00:00:00	MAX Wert Aenderung	15.00	**22.26**	27.00	Serverschrank II	Quittieren
2008-03-25 22:32:27	2008-03-25 22:32:27	00:00:00	MAX Wert Aenderung	15.00	**23.19**	27.00	Serverschrank I	Quittieren
2008-03-25 22:32:35	2008-03-25 22:32:35	00:00:00	MAX Wert Aenderung	15.00	**25.21**	27.00	Raumtemperatur - Flur	Quittieren
2008-03-25 22:32:48	2008-03-25 22:32:48	00:00:00	MIN Wert Aenderung	15.00	**22.26**	27.00	Netzteil - esxsrv01.intern.weistedv.de	Quittieren
2008-03-25 22:36:22	2008-03-25 22:36:22	00:00:00	MIN Wert Aenderung	15.00	**22.34**	27.00	Backbone switch (HP ProCurve 1800-24G)	Quittieren

Aktueller Standort

This is the page events with the option to receipt events

3. The menu items and features on basis of the rights



Receipt Events (event_receipt)

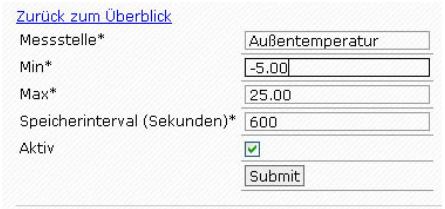
Every event has to be receipted by a responsible person. The event, for example a maximum value overstepping, is displayed on the page *Events.* You are logged in and go to the page *Events,* here is the event displayed. In a table *start, end* and *duration, fault type, the measured value* and *minimum* and *maximum value* of the event are itemized. At the right you find the column receipt. Click on the blue underlined button *receipt* in the row of the event you plan to receipt.

You get a schedule with three boxes for *reason, info to* and *counter measure.* The data is saved with the other information, which belong to the event *(Start, End, fault type).* You can recall this data at analysis. At the box *info to** you give in a group of people, a telephone number, an e-mail address, depending on what is necessary. To consign the confirmation click *submit* — you have receipted the event.

When the event is receipted the alarm ends as well. The optical and the acoustical alarm are switched off. The acoustical alarm can be switched off before manually.

Edit measure point (measure_point_edit)

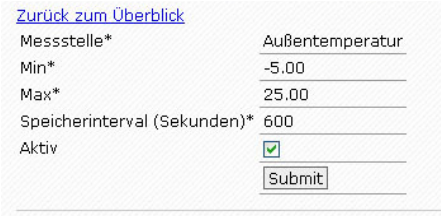
If you own the right to edit measure points, you click on *edit* behind the measure point you are interested in. You can change the *name*, the *minimum* and the *maximum value* of the measure point and define the *save interval.* To resume the changes click on *submit.* You can activate and deactivate the measure point with this right as well.



Activate measure point (measure_point_activate)

If the right to activate measure points is assigned to you, you find on the main page at the overview of the measured values the column edit.

Click edit in the row of the measure point you are interested in. The information for the measure point is displayed. Beneath them is the item active. *Active* with check mark: the measure point is active. *Active* without check mark: the measure point is deactivated. To adopt the change you click on *submit*, to go back to the main page you click on overview.



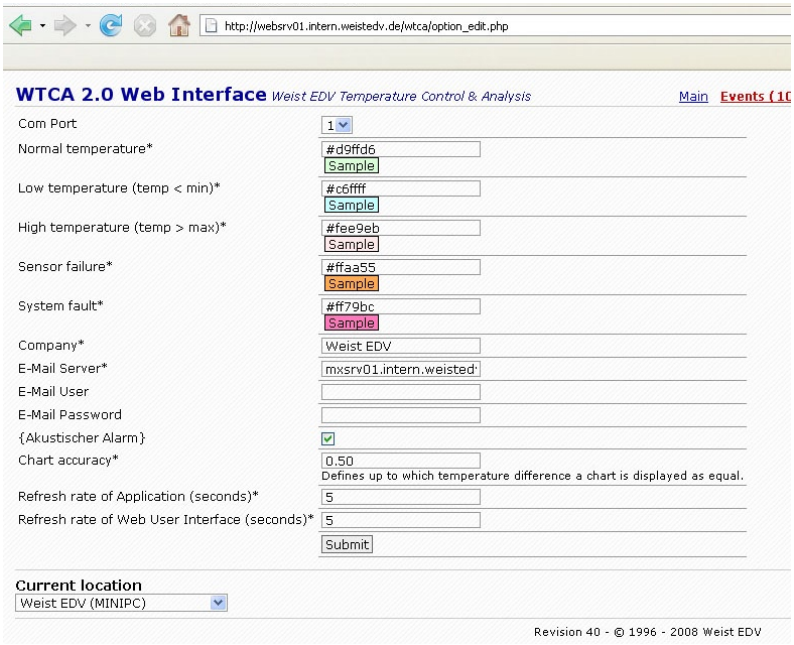
Measure point edit

Edit the options (options_edit)

With the right *options_edit* you can change the signal colors for the state of the measured values and the events on the main page and for the graph at analysis: the colors for *normal temperature, low temperature, high temperature, sensor failure, system fault.*

You can enter *company name, E-Mail Server, E-Mail user, E-Mail password.* With a check mark you

The item options is placed at administration: here you can edit the colors for the temperature and you can edit company, E-Mail Server, E-Mail user, E-Mail password, chart accuracy, refresh rate of application, refresh rate of web user interface.



switch the acoustical alarm on or off. You can edit the chart accuracy. It defines up to which temperature difference a chart is displayed as equal. You can define the refresh rate of the application and the refresh rate of the web user interface too. To resume your changes click on *submit.*

Put a location to absence status (location_edit)

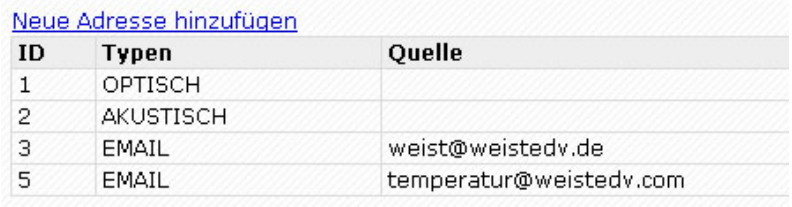
If you own the right to put a location to absence status, you find at administration the item *location edit (absence status).* You arrive on a page where you can put a check mark at *absence,* then you click *submit* and the location is at absence status *(how to choose a location you learned on page 4).*

You put a location to absence status when there is a holiday and no one is on location. For absence state there are other rule defined for the alarms. For example a *sms* is send to the persons in charge or they get a *phone call.* How you define and edit this rules you learn at the next article.

Fault handling (fault_handling)

If you own the right for fault_handling, you find at administration the items *addresses* and *fault handling* .

At addresses you can *create, edit* and *delete* the *addresses* for the alarms. The addresses are, for example: *optical, acoustical, E-Mail.* The addresses are activated by the events.


Neue Adresse hinzufügen

ID	Typen	Quelle
1	OPTISCH	
2	AKUSTISCH	
3	EMAIL	weist@weistedv.de
5	EMAIL	temperatur@weistedv.com

Adresses for fault handling

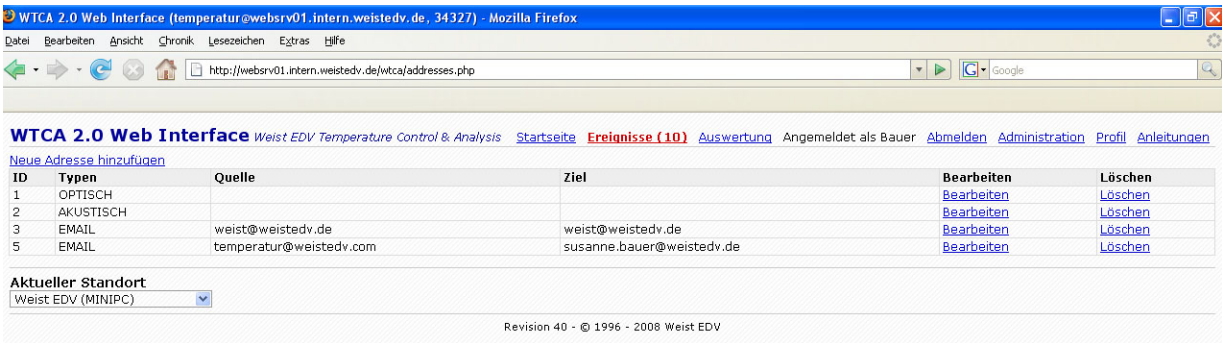
The first item you see on the page is create new address. You click it and arrive on the schedule addresses. Here you choose the type of the address, *optical, acoustical, E-Mail, SMS or telephone-message* and define a source and a target. To resume the changes click *submit.*

All addresses are shown in a table. You can read I*D (the addresses are consecutively numbered), type, source, target* and you can edit and delete the addresses. Click on *edit* in the column edit of one address, you arrive on the same schedule you already know from creating an address. You may change *type, source,* and *target* of the address.

Switch to absence mode

Fault handling:

At administration you find as well the item *fault handling.* Here you can create rules, which define which alarm is released for which event, which kind of fault belongs to which rule: which address *(optical, acoustical, E-Mail etc)* responses


WTCA 2.0 Web Interface (temperatur@websrv01.intern.weistedv.de, 34327) - Mozilla Firefox
Datei Bearbeiten Ansicht Chronik Lesezeichen Extras Hilfe
http://websrv01.intern.weistedv.de/wtca/addresses.php
WTCA 2.0 Web Interface Weist EDV Temperature Control & Analysis
Startseite Ereignisse (10) Auswertung Angemeldet als Bauer Abmelden Administration Profil Anleitungen
Neue Adresse hinzufügen
ID Typen Quelle Ziel Bearbeiten Löschen
1 OPTISCH Bearbeiten Löschen
2 AKUSTISCH Bearbeiten Löschen
3 EMAIL weist@weistedv.de weist@weistedv.de Bearbeiten Löschen
5 EMAIL temperatur@weistedv.com susanne.bauer@weistedv.de Bearbeiten Löschen
Aktueller Standort
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Add new addresses

at which day of the week, at what time and with or without delay.

Click *create new rule:* you can put check marks behind the *measure points, fault types, addresses, week days* and give in the *time from, the time to* and the *delay.* With *submit* you resume the information for the new rule.

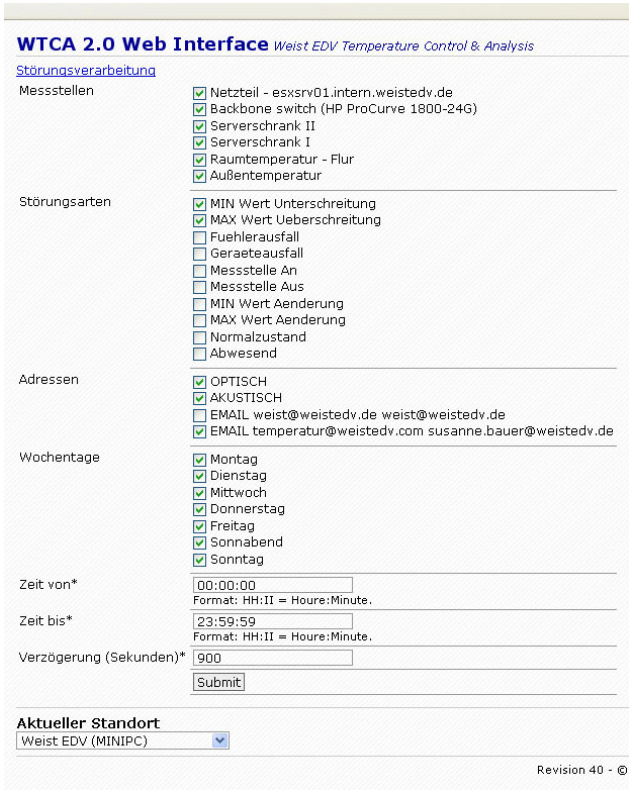
The rules are shown in a table: Next to the information *ID, type, source, target* you find *edit* and *delete.* Click on edit and you arrive on the same schedule you get, when you create a new rule. If you decide to make no changes go back to fault handling with the button *fault handling.* Otherwise click on *submit.*

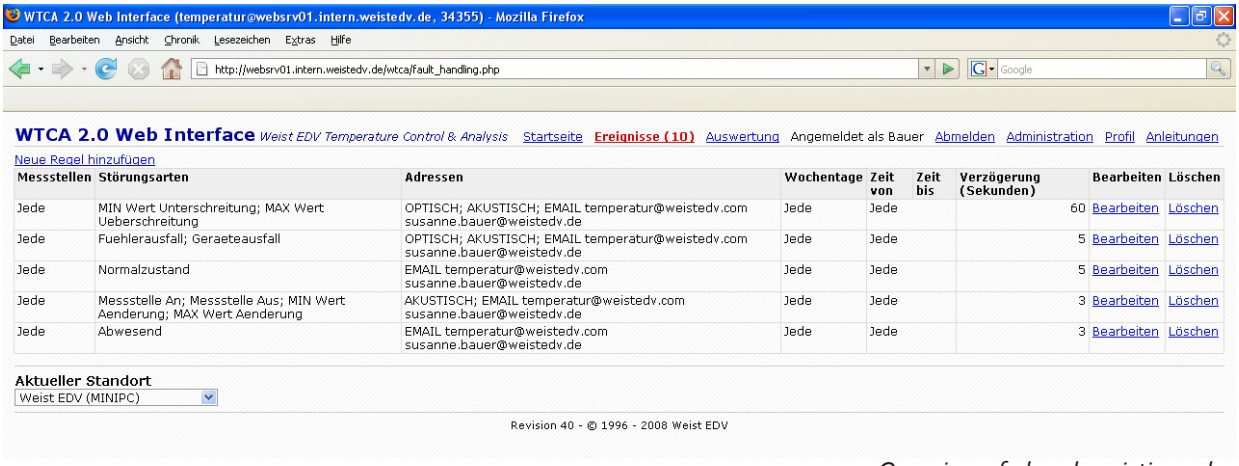
Edit your profile (profil_edit)

At profile you can choose the language and change your password. The right *profil_edit* goes to every user probably. English and German are always provided; it is possible to add other languages to the application.

To change your password you give in the old password to the box of the same name. Then you type the new password into the box *new*

Edit rules




WTCA 2.0 Web Interface (temperatur@websrv01.intern.weistedv.de, 34355) - Mozilla Firefox
Datei Bearbeiten Ansicht Chronik Lesezeichen Extras Hilfe
http://websrv01.intern.weistedv.de/wtca/fault_handling.php
WTCA 2.0 Web Interface Weist EDV Temperature Control & Analysis Startseite Ereignisse (10) Auswertung Angemeldet als Bauer Abmelden Administration Profil Anleitungen
Neue Regel hinzufügen
Messstellen Störungsarten Adressen Wochentage Zeit von Zeit bis Verzögerung (Sekunden) Bearbeiten Löschen
Jede MIN Wert Unterschreitung; MAX Wert Ueberschreitung OPTISCH; AKUSTISCH; EMAIL temperatur@weistedv.com susanne.bauer@weistedv.de Jede Jede 60 Bearbeiten Löschen
Jede Fuehlerausfall; Geraeteausfall OPTISCH; AKUSTISCH; EMAIL temperatur@weistedv.com susanne.bauer@weistedv.de Jede Jede 5 Bearbeiten Löschen
Jede Normalzustand EMAIL temperatur@weistedv.com susanne.bauer@weistedv.de Jede Jede 5 Bearbeiten Löschen
Jede Messstelle An; Messstelle Aus; MIN Wert Aenderung; MAX Wert Aenderung AKUSTISCH; EMAIL temperatur@weistedv.com susanne.bauer@weistedv.de Jede Jede 3 Bearbeiten Löschen
Jede Abwesend EMAIL temperatur@weistedv.com susanne.bauer@weistedv.de Jede Jede 3 Bearbeiten Löschen
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Overview of already existing rules

password and into the box *retype new password.* If you only intend to change the language, type nothing into the password boxes.

Super User (super_user)

If this right belongs to you, you find at *administration* the item *user.* Here you can edit users, relocate locations to them and assign the different rights to the users.

You edit the user Bauer

Benutzeradministrator (admin_user)

As admin_user you own the right to create, to edit and to delete users. You are able to assign locations and rights to them. You are not able to remove the right *admin_user* from yourself.

Audit trail (audit)

At administration you find the audit trail. Here all entries to the data base are reported *(with ID, DB connection, DB user, DB name, DB table, action, log time, details).*

Imprint

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